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(21)Application number : 2000-081948

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(22)Date of filing : 23.03.2000

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(54) FLAME-RETARDED RESIN COMPOSITION, FLAME-RETARDED ADHESIVE  
COMPOSITION AND METALLIC JOINED PRODUCT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a flame-retarded resin composition and a flame-retarded adhesive composition, hardly providing bad effects to a human body or the environment, and excellent in flame retardancy and adhesion.

SOLUTION: This flame-retarded resin composition comprises (1) a polymerizable vinyl monomer, (2) a polymerization initiator, (3) a reducing agent, and (4) a condensed phosphoric acid. The composition can further contain (5) a metal hydroxide and (6) an elastomer component, and the flame-retarded resin composition can be the flame-retarded adhesive composition.

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## LEGAL STATUS

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JAPANESE [JP,2001-261724,A]

[Translation done.]

CLAIMS DETAILED DESCRIPTION TECHNICAL  
FIELD PRIOR ART EFFECT OF THE INVENTION  
TECHNICAL PROBLEM MEANS EXAMPLE

[Translation done.]

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CLAIMS

[Claim(s)]

[Claim 1] (1) A polymerization nature vinyl  
monomer, (2) polymerization initiators, (3) reducing  
agents, the flame-retardant-resin constituent that  
comes to contain (4) condensation phosphoric acid.

[Claim 2] Furthermore, the flame-retardant-resin  
constituent according to claim 1 which comes to  
contain (5) metal hydroxide.

[Claim 3] Furthermore, the flame-retardant-resin  
constituent according to claim 1 or 2 which comes  
to contain (6) elastomer component.

[Claim 4] (1) A flame-retardant-resin constituent  
given [ of the claims 1-3 whose polymerization  
nature vinyl monomers are polymerization nature  
(meta) acrylic-acid derivatives ] in one term.

[Claim 5] a flame-retardant-resin constituent given  
[ of the claims 1-4 ] in one term -- the [ a first  
agent and ] -- the 2 pharmaceutical-form flame-  
retardant-resin constituent with which it divides  
into 2 agents, a first agent comes to contain (2)  
polymerization initiators at least, and the second  
agent comes to contain (3) reducing agents at least

[Claim 6] The fire-resistant adhesives constituent

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CLAIMS DETAILED DESCRIPTION TECHNICAL FIELD PRIOR ART EFFECT OF THE  
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CLAIMS

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[Claim(s)]

[Claim 1] (1) A polymerization nature vinyl monomer, (2) polymerization initiators, (3) reducing agents, the flame-retardant-resin constituent that comes to contain (4) condensation phosphoric acid.

[Claim 2] Furthermore, the flame-retardant-resin constituent according to claim 1 which comes to contain (5) metal hydroxide.

[Claim 3] Furthermore, the flame-retardant-resin constituent according to claim 1 or 2 which comes to contain (6) elastomer component.

[Claim 4] (1) A flame-retardant-resin constituent given [ of the claims 1-3 whose polymerization nature vinyl monomers are polymerization nature (meta) acrylic-acid derivatives ] in one term.

[Claim 5] a flame-retardant-resin constituent given [ of the claims 1-4 ] in one term -- the [ a first agent and ] -- the 2 pharmaceutical-form flame-retardant-resin constituent with which it divides into 2 agents, a first agent comes to contain (2) polymerization initiators at least, and the second agent comes to contain (3) reducing agents at least

[Claim 6] The fire-resistant adhesives constituent which consists of a flame-retardant-resin constituent given [ of the claims 1-5 ] in one term.

[Claim 7] The hardening field of a flame-retardant-resin constituent given [ of the claims 1-5 ] in one term.

[Claim 8] The metal zygote which it comes to join with a fire-resistant adhesives constituent given in claim 6 term.

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本願に先行する関連出願特許データ(4/5)

特許出願 2000- 81948[H12. 3.23] 請求( ) 出願種別 (通常 )

特開 2001-261724[H13. 9.26]

名称 難燃性樹脂組成物、難燃性接着剤組成物及び金属接合体

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特願2000-81948 (H12. 3. 23)

特開2000-261724 (H13. 9. 26)

【書類名】 明細書

【発明の名称】 難燃性樹脂組成物、難燃性接着剤組成物及び金属接合体

【特許請求の範囲】

【請求項1】 (1) 重合性ビニルモノマー、(2) 重合開始剤、(3) 還元剤、(4) 縮合リン酸を含有してなる難燃性樹脂組成物。

【請求項2】 さらに、(5) 金属水酸化物を含有してなる請求項1記載の難燃性樹脂組成物。

【請求項3】 さらに、(6) エラストマー成分を含有してなる請求項1又は2記載の難燃性樹脂組成物。

【請求項4】 (1) 重合性ビニルモノマーが重合性(メタ)アクリル酸誘導体である請求項1～3のうちの1項記載の難燃性樹脂組成物。

【請求項5】 請求項1～4のうちの1項記載の難燃性樹脂組成物を第一剤及び第二剤に分け、第一剤が少なくとも(2) 重合開始剤を含有してなり、第二剤が少なくとも(3) 還元剤を含有してなる二剤型難燃性樹脂組成物。

【請求項6】 請求項1～5のうちの1項記載の難燃性樹脂組成物からなる難燃性接着剤組成物。

【請求項7】 請求項1～5のうちの1項記載の難燃性樹脂組成物の硬化体。

【請求項8】 請求項6項記載の難燃性接着剤組成物により接合してなる金属接合体。